

Hartman & S
Manufacturing
Company & S



OF ELLWOOD CITY,
PENNSYLVANIA
U. S. A.

“HARTMAN”,

STEEL PICKET FENCE

“STOCKADE” WOVEN WIRE FENCE.

PANEL FENCE WIRE. 24 24 24 24

FLEXIBLE WIRE DOOR MATS. 24

STEEL WIRE TREE GUARDS, ETC.

CATALOGUE No. 13

THE "HARTMAN" STEEL PICKET FENCE

Has been made for eleven years and is extensively used throughout the world for the protection and adornment of *Lawns, Schools, Parks, Cemeteries, Cemetery Lots* and public and private enclosures generally. Its high merits have been strictly maintained, and it remains to-day unrivalled in its combined strength, beauty, durability and low cost.

It retired forever the unsightly wooden "paling" fence, a prey to all the elements of decay and destruction, and placed within the reach of all a *lasting protection* to enclosures, *without concealing* them.

It is made in seven heights and three sizes of rod—is capable of several different constructions, and of being erected on uneven as well as level surfaces—on stone walls or wood bases as well as in the ground—on wood posts and rail, or complete with our steel posts and rail.

Any good mechanic can erect it properly by following the instructions given on page 10.

This pamphlet is intended to illustrate and explain its features (pages 1 to 10) and quote the prices of the various parts in detail, and we cordially invite correspondence, that we may submit definite quotations on the material required for any proposed fence.

Being the largest fence makers in America, we are able to treat the fence question with entire satisfaction to those who contemplate using fencing material, if they will only have the goodness to give us the opportunity, which we respectfully solicit.

TREE GUARDS (Page 10.)

We are the pioneers in manufacturing a neat, cheap, strong and durable Tree Guard. These four qualities are combined in no other guard.

WIRE DOOR MATS (Page 17.)

We originated them. The "HARTMAN" FLEXIBLE WIRE DOOR MAT is known and used throughout the world wherever civilization and cleanliness prevail.

WOVEN WIRE FENCING (Pages 12 and 13.)

In response to the rapidly growing demand among farmers and ranchmen for a reliable substitute for barbed and other fencing, we have produced the "HARTMAN" STOCKADE WOVEN WIRE FENCE. It is the ONLY woven wire fence constructed on the vitally important principle of "LARGE WIRES and SMALL SPACES."

HITCHING POSTS (Page 14.)

PANEL FARM FENCE WIRE (Pages 14 and 15.)

WINDOW GUARDS AND OFFICE RAILINGS (Page 11.)

These specialties possess merits peculiarly their own, as do all products bearing the name "Hartman."

JUNE 15th, 1899. }
CATALOGUE No. 13 }

HARTMAN MANUFACTURING COMPANY OF ELLWOOD CITY,
ELLWOOD CITY, PENNA., U. S. A.

EASTERN SALES AGENCY AND EXPORT DEP'T, 309 BROADWAY, NEW YORK.

THE "HARTMAN" STEEL PICKET FENCE.

Plate 100



PHOTO. COPYRIGHTED BY E. W. BEMIS. ALL RIGHTS RESERVED BY THE HARTMAN MANUFACTURING COMPANY OF ELLWOOD CITY.

"MILKING TIME"

ON A LAWN BEAUTIFIED AND PROTECTED BY A "HARTMAN" STEEL PICKET FENCE.

A copy of this quaint picture, printed on heavy enameled paper, sent on receipt of 2-cent stamp.

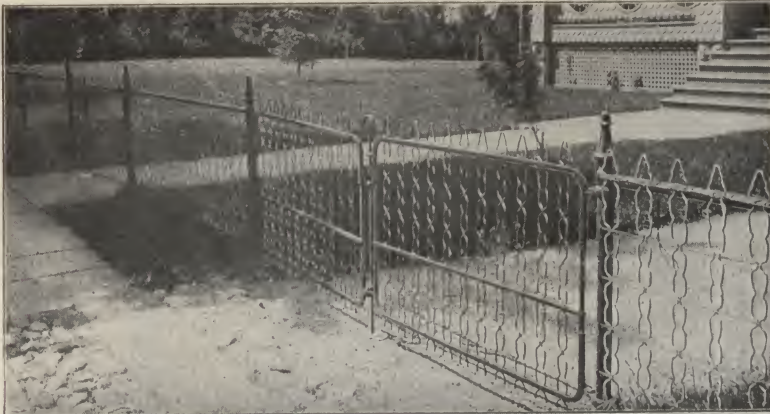


Plate 101

THE "HARTMAN" STEEL PICKET FENCE.

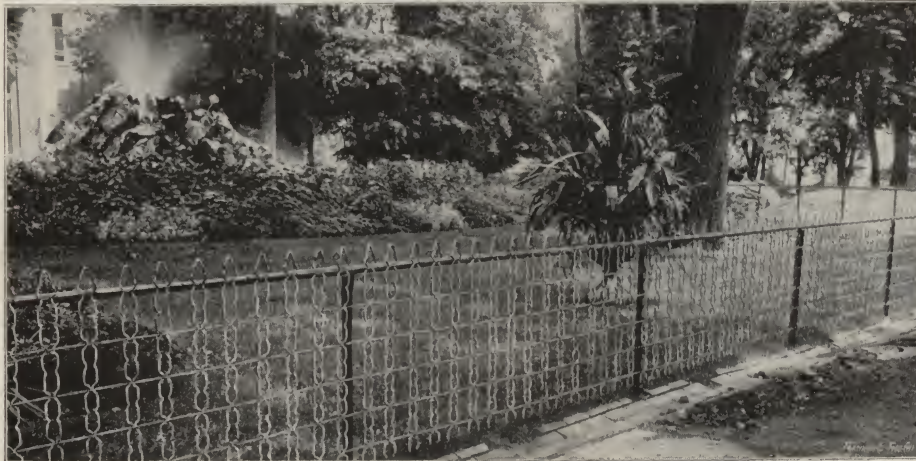
Here is shown a photographic reproduction of our No. 2 (extra heavy) 37-inch Steel Picket Fence and "Plain Pattern," Double Drive Gates, erected in one of the suburbs of New York City where many hundreds of our fences are in use.

One of its most distinctive features is its apparent lightness, affording an almost unobstructed view of the grounds enclosed, yet of such strength as to retain its proper construction for a life time.

Intending purchasers should guard against buying Lawn Fences made of material too light to withstand the hard usage to which they will inevitably be put. We COULD make lighter Steel Picket Fences than our No. 3 (see page 9), but for 11 years we have been and are unalterably opposed to lending our name to any cheap substitute for that famous fence. By all means be on the safe side and buy the "HARTMAN."

Plate 102

The variety of its use is most extensive, being made for Lawns, Gardens, Division Lines, etc.



A "CAPITOL" FENCE.

This beautiful illustration shows the same style of fence (No. 2, 37-inch) erected around the flower beds in the grounds of the State Capitol at Harrisburg, Pa., the photograph from which this engraving was made being taken seven years after the fence was erected.

This fence is widely used for Court Houses, Public Squares, School Houses, Churches, etc.

Price List, Page 8.
Specification Blank, Page 16.

THE "HARTMAN" STEEL PICKET FENCE.

Plate 103



Here is shown our No. 1, 37-in. Steel Picket Fence, with "Scroll Pattern" Single Walk Gates. The distance between the pickets in all the fences illustrated in this book is 3 inches, which is close enough to afford protection against dogs, other animals and large fowls, but when required we can supply the fence with pickets 2 inches apart, as shown in PRICE LIST, Page 8.

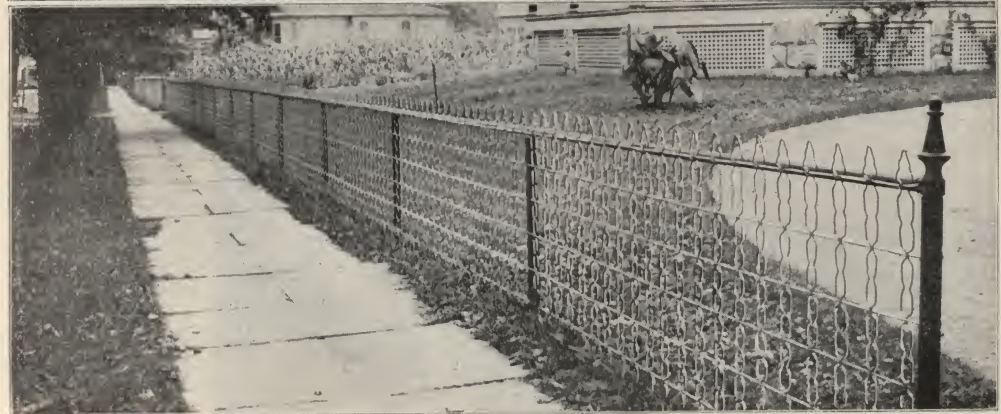


Plate 104

This is a long perspective view of our No. 2, 37-inch Steel Picket Fence.

Posts are made to drive 26 inches into the ground, although when the soil is light or sandy, or when fences higher than 37 in. are specified, we provide longer posts without extra charge. Frost does not "heave" these posts, which, in all but rocky soil, are DRIVEN, no post holes being dug. Each post is braced below the surface of ground by a steel anchor.

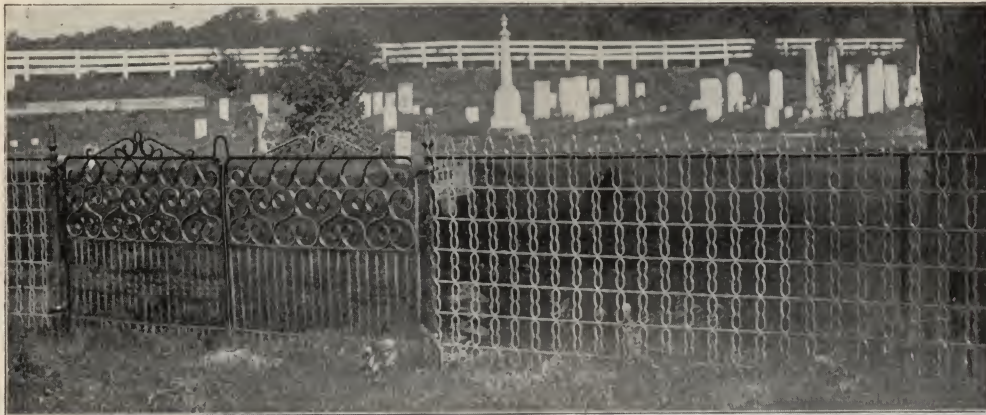
Price List, Page 8.

Specification Blank,

Page 16.

THE "HARTMAN" STEEL PICKET FENCE.

Plate 105



This illustration affords a striking contrast between the past and the present. In the background of this small cemetery appears the Board Fence of our forefathers, while in front is the "Hartman" Steel Picket Fence, with "Scroll Pattern" Double Drive Gates. This is our No. 2 (extra heavy) 43-in. Fence. Height is, of course, largely a matter of choice, based upon different tastes, but we can suit all—making the fence from 25 inches to 61 inches high.

Plate 106



We present here a partial view of a Cemetery Fence 2,000 ft. long, 49 inches high, of our No. 2 (extra heavy) Picket, in a special construction of "All Ornamental Posts."

Ordinarily the Ornamental Posts are used only at Gates, Corners, and Ends, (and in long stretches of fence, about every 100 ft. to "break" the top rail to allow for expansion and contraction), the Line Post (Fig. 4 A, Page 6) being used intermediately every 9 ft. as nearly as may be. WE SUPPLY MORE CEMETERY FENCES THAN ANY OTHER MAKERS IN THE WORLD.

Price List, Page 8.
Specification Blank,
Page 16.

THE "HARTMAN" STEEL PICKET FENCE.

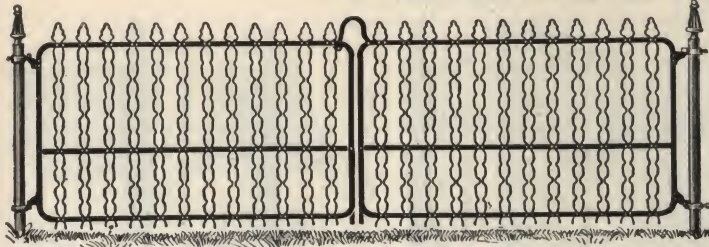


Fig. 60. Double Drive Gate, Plain Pattern.

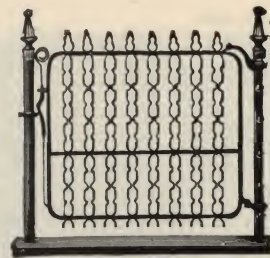


Fig. 61. Single Walk Gate, Plain Pattern.



Fig. 62—Double Drive Gate, Scroll Pattern.

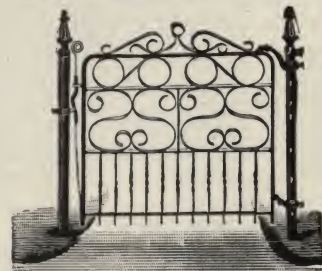


Fig. 63—Single Walk Gate, Scroll Pattern

These are the Gates of our STEEL, PICKET FENCE, although many of them are used on wood posts independently of our fence. They are made in 7 heights (the same heights as the fence; see heights of fence, page 8) and in REGULAR widths as shown in the table on page 8; also in any desired SPECIAL WIDTHS.

The Single Walk Gates have adjustable top hinges and a spring latch, making them self-closing and self-latching, the price of each gate including the hinges and latch. Single Gates may be hung right or left and they swing either way, as do the Double Gates.

These Gates, Double and Single, are made in the two styles above shown, Figs. 60 and 61 being "Plain Pattern," and Figs. 62 and 63 being "Scroll Pattern." All "Plain Pattern" Gates are made of the same size rod as is used in our No. 2 (extra heavy) Fence, and are always made of "Spear Top" Pickets riveted in steel frames.

The same frames are used in the "Scroll Pattern" Gates, the inner portions of which consist of beautiful hand scroll work of steel. All Gates are JAPANNED BLACK.

Fittings furnished for hanging gates on either WOOD or IRON POSTS.

In ordering Gates made to a certain grade, state the fall in the ground and whether the Gate is to slope UP or DOWN from the hinges. Unless the descent is very marked, our regular Gates will answer the purpose.

THE "HARTMAN" STEEL PICKET FENCE.

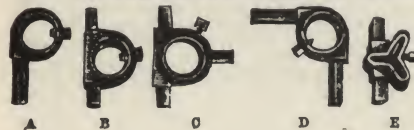
PRICE LIST, PAGE 8. SPECIFICATION BLANK, PAGE 16.

Plate 107



This illustration shows the "HARTMAN" STEEL PICKET FENCE, No. 2, 31 inches high, and "Scroll Pattern Gate" erected on Stone Wall. It also shows the adaptability of this Fence to uneven surfaces.

BOTTOM RAIL FITTINGS FOR IRON POSTS.

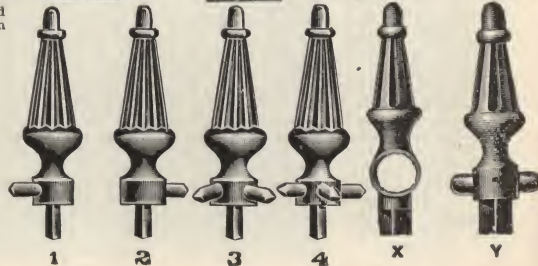
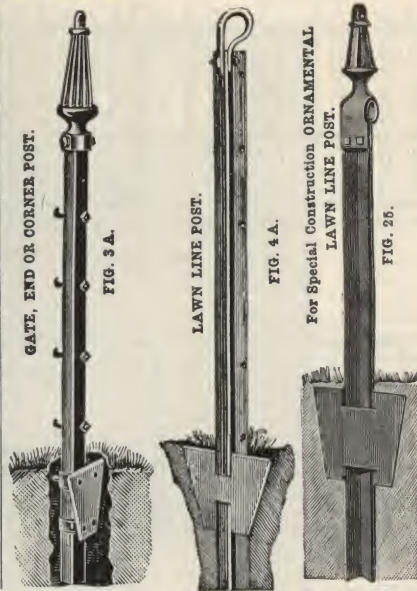


A B C D E

NOTE.—For certain purposes, such as for schools and public grounds, bottom rail is sometimes used.

- A.—Connection for gate or end post.
- B.—Connection for intermediate post.
- C.—Connection for division post.
- D.—Connection for corner post.
- E.—Connection for Y steel line post.

6



Z

Y

THE "HARTMAN" STEEL PICKET FENCE.

PRICE LIST, PAGE 8. SPECIFICATION BLANK, PAGE 16.

Gate and Post Fittings For Iron Posts.



Gate and Post Fittings For Wood Posts.



Our Special
Y Section
Steel Line
Post.

Greatest
Rigidity
With
Greatest
Economy.

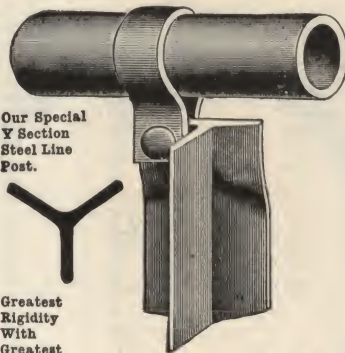


Fig. 10 A.

Section of Top Rail Attached to Line Post.

The wide variety of tastes of those selecting Fences, and the many different uses to which Fences are put, we have met by making 72 varieties of heights and sizes of the Pickets as listed on page 8. A selection of material (using for example the material required to construct a No. 1, 37-inch Fence according to diagram printed on page 16) is made as follows:

- 100 ft. No. 1, 37-inch Fence.
- 100 ft. Top Rail.
- 2 End Posts.
- 4 Gate Posts.
- 1 Corner Post.
- 8 Line Posts (9 ft. or less apart).
- 1 Double Drive Gate, 9 ft. x 37 in.
- 1 Single Walk Gate, 3 ft. x 37 in.

Included in the price of these items are the fittings belonging to each.

No. 3 fence is cheaper and No. 2 fence dearer than the No. 1, and the prices of the higher fences more, and the lower fences less, than the 37-inch height.

Height does not affect price of posts.

The above list of material covers the standard construction, elaborations of which are possible and frequently used as follows:

- (1) "All Ornamental Post" Construction

- (2) "Fig. 25" Post Construction.

- (3) "Bottom Rail" Construction.

Fill out specification blank, page 16, and send it to us.

NOTE 1. Fig. Y ornament is provided for long stretches of fence, where it is necessary to "break" the top rail every 50 or 100 ft., to allow for expansion and contraction, while Fig. X is used for the intervening posts, the top rail passing through the hole.

NOTE 2. Rest provided for all single gates over 3 ft. wide and over 37 inches high.

NOTE—The following Steel Picket Fence attachments are regularly included in the price of the parts to which they belong, and the following extra charges are only made when duplicate parts are ordered to replace loss or breakage:

1 Orn't for left hd. gate or end post . . .	\$1.00
2 Orn't for right hd. gate or end post . . .	1.00
3 Ornament for corner post	1.00
4 Orn't for center and T post	1.00
X Ornament for center post	1.00
Y Ornament for center post	1.00
Z Ornament for post standing alone . . .	1.00
5 Anchor for gate, end or center post . .	.50
6 Anchor for line or field post . . . . .	.30
7 Double latch for two walk gates . . .	.30
7 1/2 adj. sh'ld'r to fit into top rail at any angle . . . . .	.30c
9 Hook bolt to hold fence to gate and end post . . . . .	.20c
10 Middle latch pieces double dr. gate . .	.30c
10 1/2 Lower hinge lug . . . . .	.30c
11 Lower hinge for walk gate . . . . .	.30c
11 1/2 Upper hinge lug . . . . .	.30c
12 Adj. top hinge for walk gate	\$1.00
12 1/2 Staple for attaching top cable to rail, per lb. . . . .	.8c
13 Latch for single walk gate . . . . .	.30c
13 1/2 Adj. loop to hold rail to line post . .	.30c
H Lower rest for walk gate, iron post, 20c—see note 2.	
K Lower rest for walk gate, wood post, 20c—see note 2.	
14 1/2 Latch spring for single gate	80c

Wood Post Fittings.

14 Ornament for gate or end wood post \$1.00	
15 Hinge for single drive gate top and bottom . . . . .	.30c
16 Adj. top hinge for single walk gate . .	.80c
17 Lower hinge for walk gate . . . . .	.30c
Also top and bottom hinge for double drive gate.	
18 Latch for single walk gate . . . . .	.30c
18 1/2 Latch for single drive gate . . . . .	.30c

DISCOUNT

PRICE LIST—Subject to Change Without Notice.
"HARTMAN" STEEL PICKET FENCE —(Galvanized.)

STYLE.	Height, Spear Top.	Size of Pickets.	Distance Between Pickets.	Number of Cables.	Size of Wire (2 Strands) in Cables.	Per Lineal Foot.	"Close" Fence 2 in. between Pickets, per Lineal Foot
No. 1 Standard Lawn Fence	25 in.	No. 6 Rod	3 in.	4	No. 12 Wire	32 cts.	42 cts.
	31 "	" "	" "	5	" "	36 "	46 "
	37 "	" "	" "	6	" "	40 "	50 "
	43 "	" "	" "	7	" "	46 "	58 "
	49 "	" "	" "	8	" "	54 "	68 "
	55 "	" "	" "	9	" "	64 "	78 "
No. 2 Extra Heavy Lawn Fence	61 "	" "	" "	10	" "	74 "	90 "
	31 in.	No. 4 Rod	3 in.	5	No. 12 Wire	46 cts.	58 cts.
	37 "	" "	" "	6	" "	54 "	70 "
	43 "	" "	" "	7	" "	60 "	78 "
	49 "	" "	" "	8	" "	68 "	86 "
	55 "	" "	" "	9	" "	78 "	98 "
No. 3 Lawn Fence (Round top only)	61 "	" "	" "	10	" "	90 "	\$1.10
	36 in.	No. 8 Rod	3 in.	6	No. 12 Wire	26 cts.	36 cts.
	42 "	" "	" "	7	" "	30 "	40 "
	48 "	" "	" "	8	" "	34 "	44 "
	54 "	" "	" "	9	" "	42 "	52 "
	60 "	" "	" "	10	" "	48 "	62 "



Fig. 96—A "full roll" of 300 feet of "HARTMAN" STEEL PICKET FENCE ready for shipment.

GATES—(Enameled Black.)

"Plain" Pattern.	SINGLE WALK GATES, 25 in. high, 3 ft. wide,	\$7.00	3 1/2 ft. wide, \$8.00	4 ft. wide, \$10.00 each
	" " 31 " 3 "	7.00	3 1/2 " 9.00	4 " 10.00 "
	" " 37 " 3 "	7.00	3 1/2 " 9.00	4 " 10.00 "
	" " 43 " 3 "	9.00	3 1/2 " 10.00	4 " 11.00 "
	" " 49 " 3 "	9.00	3 1/2 " 10.00	4 " 11.00 "
	" " 55 " 3 "	10.00	3 1/2 " 11.00	4 " 12.00 "
	" " 61 " 3 "	11.00	3 1/2 " 13.00	4 " 13.00 "
	DOUBLE DRIVE GATES, 25, 31, 37 inches high, 8 and 9 feet wide.			22.00
	" " 43, 49, 55, 61 " 8 " 9 "			26.00
	Special Gates to order. 37 in. high and less \$2.60 per lin'1 ft. 43 in. high and over \$3.30 per lin'1 ft.			

Prices of "SCROLL PATTERN" Gates (see illustration pages 4, 5 and 6) are 25 per cent. higher than for same sizes respectively of "Plain Pattern" Gates, as given above.

POSTS, TOP RAIL, ETC.—(Japanned Black.)

Steel Gate, End and Corner Posts, Tubular Steel, with Ornament, [Fig. 3 A, page 6].	Bolts and Anchor, [Figs. 5 and 9, page 7] each	\$3.50
Steel Lawn Line Posts, "Y" Steel, [Fig. 25, page 6.] with Anchor and Ornament [for special construction] each		2.20
Steel Lawn Line Posts, "Y" Steel, [Fig. 4 A, page 6.] with Anchor and Loop Top, [Figs. 6 and 13 1/2, page 7.] each		1.40
Steel Top Rail Drilled [page 7] per lineal foot (bottom rail same price as top rail)		.16
Bottom Rail Fittings, [illustrated, page 6] for Posts [for special construction] each		.50
Name Plates for Gates, Enameled on Steel, Blue Letters on White Ground, 2 1/2 in. x 10 in., each		4.00

DIRECTIONS FOR ERECTING, PAGE 10. SPECIFICATION BLANK, PAGE 16.

For the convenience of Dealers and Agents who handle our Fence in bulk, we put up the Pickets in rolls of 300 feet. All other parts are carefully wired together, boxed, or crated, when shipped.

Dealers in ordering Gates should specify whether Gates are for "wood" or "iron" posts. No. 1 and No. 2 Fence made in Round Top to order only.

The leading styles, such as are usually carried in stock, are mentioned in HEAVY TYPE in this price list.

For cuts showing exact size of the three "Styles" of Pickets, see next page.

THE "HARTMAN" STEEL PICKET FENCE.

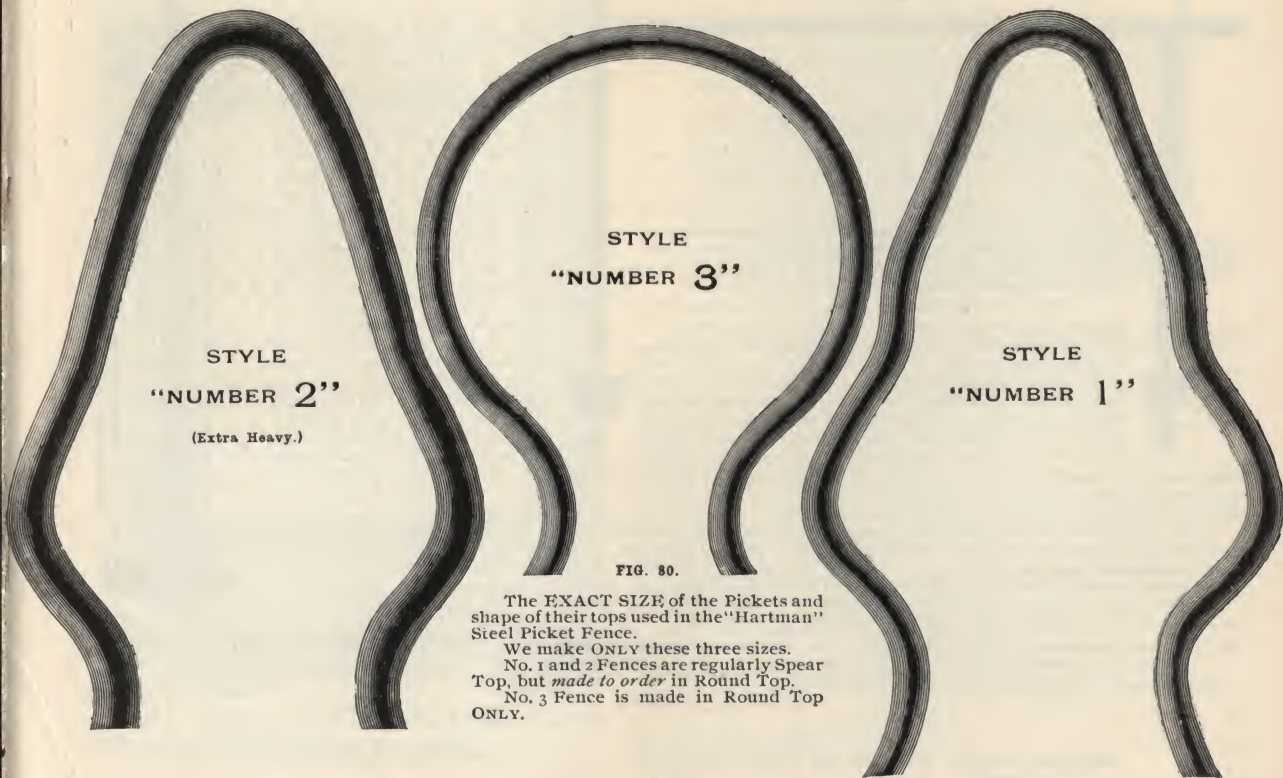


FIG. 80.

The EXACT SIZE of the Pickets and shape of their tops used in the "Hartman" Steel Picket Fence.

We make ONLY these three sizes.

No. 1 and 2 Fences are regularly Spear Top, but *made to order* in Round Top.

No. 3 Fence is made in Round Top ONLY.

DIRECTIONS FOR ERECTING THE "HARTMAN" STEEL PICKET FENCE.

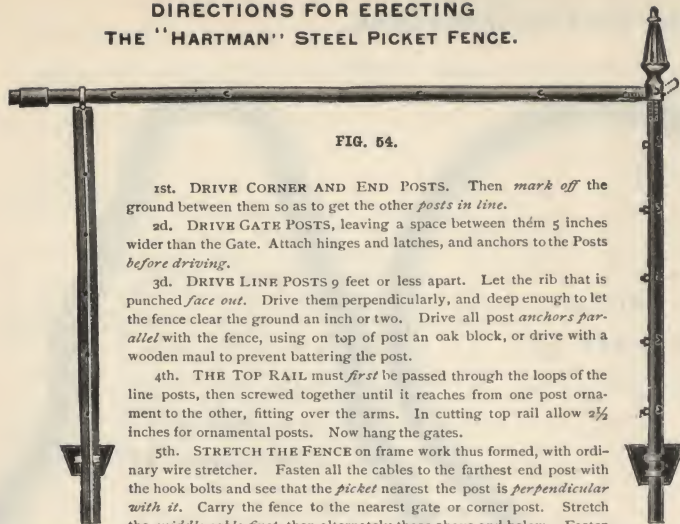


FIG. 54.

1st. DRIVE CORNER AND END POSTS. Then *mark off* the ground between them so as to get the other *posts in line*.

2d. DRIVE GATE POSTS, leaving a space between them 5 inches wider than the Gate. Attach hinges and latches, and anchors to the Posts *before driving*.

3d. DRIVE LINE POSTS 9 feet or less apart. Let the rib that is punched *face out*. Drive them perpendicularly, and deep enough to let the fence clear the ground an inch or two. Drive all post *anchors parallel* with the fence, using on top of post an oak block, or drive with a wooden maul to prevent battering the post.

4th. THE TOP RAIL must *first* be passed through the loops of the line posts, then screwed together until it reaches from one post ornament to the other, fitting over the arms. In cutting top rail allow $2\frac{1}{2}$ inches for ornamental posts. Now hang the gates.

5th. STRETCH THE FENCE on frame work thus formed, with ordinary wire stretcher. Fasten all the cables to the farthest end post with the hook bolts and see that the *picket* nearest the post is *perpendicular with it*. Carry the fence to the nearest gate or corner post. Stretch the *middle cable first*, then alternately those above and below. Fasten

tightly to post with hook bolts. Then go to the next corner or end post and fasten in same manner. Fasten top cable to the top rail with OUR *staples*, which are slipped over the cables and driven into the holes. Keep the posts *perpendicular*, no matter how hilly the ground.

Our fence can be put up on wood posts and 2 x 4 wood top rail. We supply gates, ornaments and fittings for attaching to wood—but *all-steel fence* will be found more satisfactory and stronger.

We paint our posts and top rail black.

For setting in stone drill hole in stone, insert post and pour moulten lead around it.

It is essential that the fence be *properly erected* and to this end instructions should be carefully followed. Inquiry is earnestly invited, should any instruction be not fully understood.

NOTE:—Line Posts should not be placed over 9 ft. apart; or they must be placed equally distant apart in any given section of the fence between Ornamental Posts; consequently the spacing to determine the distance apart should be done before any of the posts are driven.

PRICE LIST, PAGE 8. SPECIFICATION BLANK, PAGE 16.

THE "HARTMAN" STEEL TREE GUARD. IS ORNAMENTAL, STRONG, DURABLE AND CHEAP.

Made of heavy steel rods, *Galvanized*.

The Guards are light and graceful in appearance, making an Ornament to the grounds; will not conceal the foliage nor shade the tree from the sun; will not harbor insects, and will allow cultivation of the ground. They take but a moment to erect and are easily moved from place to place.

All wooden tree boxes and similar rigid styles, are liable to injure seriously or retard the growth of trees, aside from harboring insects that are known to be the worst enemies of the maple and other shade trees. Besides, the wooden boxes are clumsy and unsightly and require frequent repairs and painting.

THE SPIRAL WIRE COILS for attaching this guard to the tree are elastic and freely expand with the growth of the trunk, and also prevent any friction or chafing of the tree against the guard during storms or high winds.

It is as durable as a heavy, expensive wrought-iron guard, as neat in appearance, and costs much less. *Over one million of the Hartman Tree Guards are now in use.*

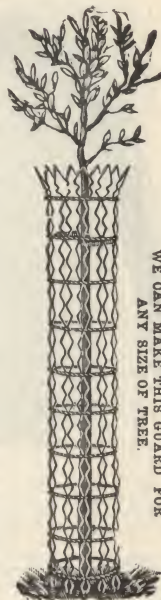


FIG. 31.

WE CAN MAKE THIS GUARD FOR
ANY SIZE OF TREE.

PRICE LIST.

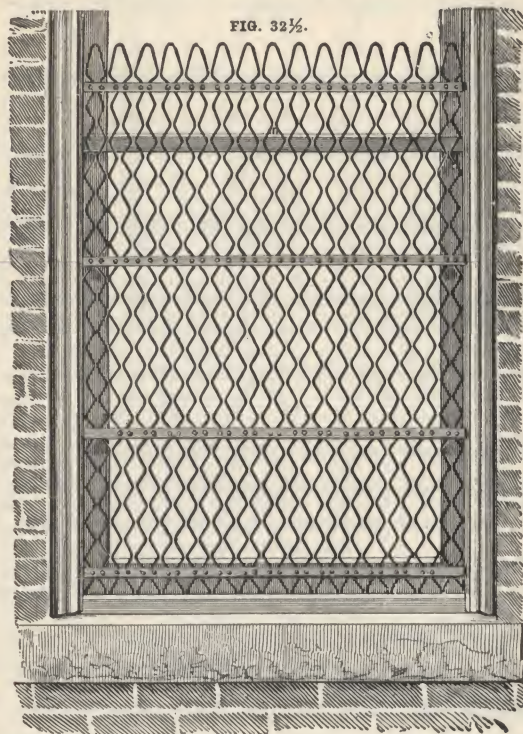
Give height and diameter when ordering.

	5 ft. 8 in. high.	6 ft. 2 in. high.
No. 1. 9 inches in diameter, per doz.,	\$24.00	\$26.00
No. 2. 8 " " " " " "	22.00	24.00

For Special Guards, add \$2.00 per dozen for each additional inch in diameter over nearest smaller regular size.

DISCOUNT

THE "HARTMAN" STEEL WINDOW GUARD.



Diamond mesh Gates, 25 per cent. higher than "Plain Pattern" Steel Picket Fence Gates listed on page 8.

Cutting each wicker or window in Desk Railings, \$1.00. net.

THE "HARTMAN" OFFICE RAILING.

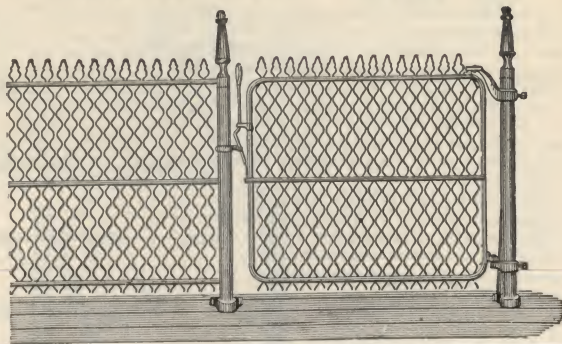


FIG. 29.

These Guards and Railings consist of Steel Rods, crimped "Diamond" shape, riveted in steel braces and frames, japanned black. They are made in three different sizes of picket. (See price list below).

The Window Guards (Fig. 32 1/2) are made in close mesh only (the Pickets almost touching each other) but in any desired width, and in any height in one piece to 74 inches; above that height they are made in two or more sections. The ends of the braces may extend straight, to be so fastened on outside of window frame, or bent at right angles to fasten inside. We can supply special fittings and pad lock to make the Guard portable (as, for example, for certain store windows).

Especially adapted for protection of windows of STORES, CHURCHES, SCHOOLS, and public and private buildings generally.

No Guard of moderate price can be compared with this, for beauty, strength, durability and utility.

The Office Railing is usually made in sections or panels, not to exceed 6 ft. in length and fastened into Ornamental Steel Posts, which are provided with fittings for attaching to the floor. Gates are made to match.

We furnish the Railing in the following heights: 25 inches, 31 inches, 37 inches, 43 inches, 49 inches, 55 inches and 61 inches.

Accurate measurements or diagram, or both, should accompany all orders for Window Guards or Railings.

This Railing is finely adapted for tops of desks.

For such use we make wicker openings for cashiers, clerks, etc.

PRICE LIST.

(Same sizes of Rods as the Steel Picket Fence shown on page 9, although crimped in a different shape.)

Made of No. 8 rod, per sq. ft.	\$0.52
" " 6 " " . . . . .	.64
" " 4 " " . . . . .	.72
Irregular shapes in Railings, 50 per cent. higher.	
Ornamental posts for Railings, each	3.50

THE "HARTMAN" STOCKADE WOVEN WIRE FENCE.

STYLE A

Intelligent farm Fence buyers know—some of them from experience gained when in fence matters they were not so intelligent—that Fences imperfectly woven, whether made in factories or with hand machines, and those made of wires too light for the purpose used, have entailed an enormous expense upon the farmers through the necessity for repairs or outright rebuilding.

The ingenuity of the most successful inventors has contrived no better Fence than our "Stockade" and in some important respects it is **ABSOLUTELY UNRIVALED.**

THIS Fence, made in various heights for hogs, sheep, cattle and horses, is composed of horizontal strands of gauge 13 galvanized steel wire (except top and bottom wires, which are of gauge 10) braced by intersecting strands of gauge 13 wire.

It is made with horizontal wires 3 inches apart, below 24 inches; above that distance, 6 inches apart.

The nature of the construction indicates its remarkable strength. It contains much more material than Fences more cheaply constructed, consequently is proof against chickens as well as the heaviest stock.

Ample provision made for expansion and contraction. It will not sag, properly erected and stretched, as do all "coil spring" and "corrugated" Fences.

For use on the Farm, Ranch, Pasture, Plantation, Corral and for general field use it is usually erected on posts of wood, placed from 10 to 16 ft. apart, WITH BRACED terminal Corner and Gate Posts. Some Fence users place posts greater distances apart with mere wood braces fastened to Fence, and resting on the ground at convenient intervals. We are able, however, to supply our STEEL POSTS and braces at a FIRST COST but little advanced over wood, which is more than met by their durability.

PRICE LIST NEXT PAGE.

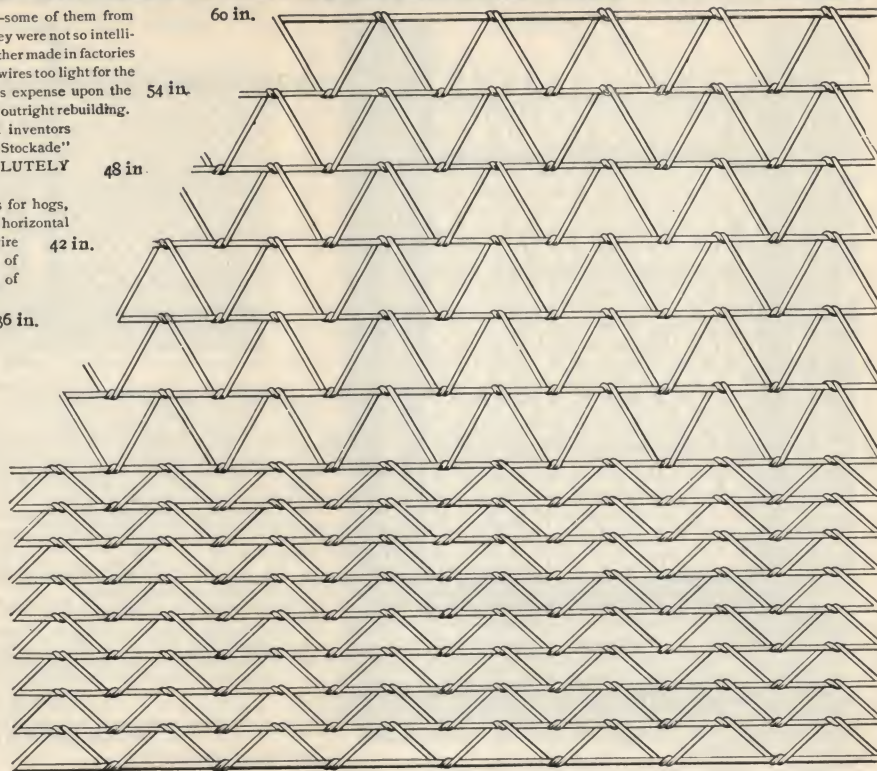
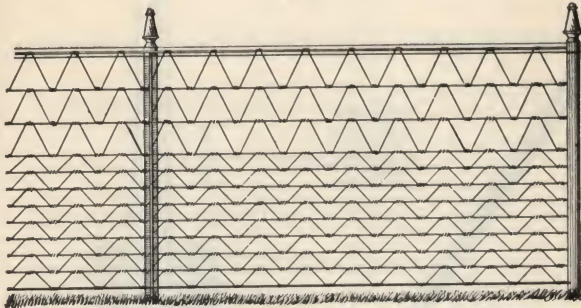


FIG. 64—The above cut shows the different heights of "STOCKADE" FENCE. It is put up in standard rolls 20 rods each, or in special lengths when ordered **NOTE—**In the 60 inch height only the horizontal wires are 3 inches apart up to 30 inches, while in all other heights up to 24 inches.

Fig. 65.



Other constructions are used as follows:

(3.) Same as (1) without anchors for Line Post.

(4) Frame-work without Top Rail, but using instead Fig. 66, Round Post, BRACED for ends, gates, and corners, and Farm Posts, with anchors, (Fig. 67) 9 feet apart.

(5.) Same as (3) but without anchors for Farm Posts.

Thus from these varieties of construction the intending purchaser may make a selection that will at the same time suit his *taste* and his *purse*.

It should be noted that the FRAME-WORK of these constructions have great strength.

Fig. 66 Post may be used with or without Ornamental Top when Top Rail is not used, but is essential when used WITH Top

Rail. All End, Corner and Gate Posts should have anchors.

All Posts are slotted for desired heights of Stockade Fence (or for other fences) WITHOUT EXTRA CHARGE.

FARM POST. Fig. 67 shows the "Hartman" Farm Post slotted for our Stockade Fence. It is used for ANY KIND of Fence or fence wire, and is slotted to order without extra charge.

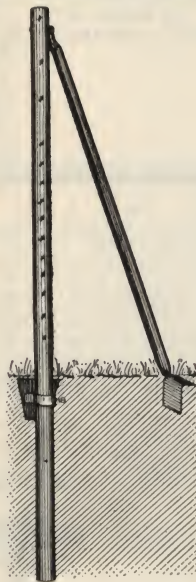


Fig. 66.



Fig. 67.

Subject to Change
Without Notice.

**'HARTMAN' STOCK-
ADE WOVEN
WIRE FENCE.**

Height.

Style A.

60-inch per rod	\$1.46
54 " " " "	1.32
48 " " " " "	1.22
42 " " " " " "	1.12
36 " " " " " " "	1.00
30 " " " " " " " " . . . .	.90

HOG FENCE.

24-inch per rod \$0.78

Posts, Rail, Braces, Etc.
End, Corner and Gate Posts
with Anchor, Bolts and
Ornament for Top Rail
(Fig. 3 A, page 6), each, \$3.50
Same with Brace (Fig. 66)
and Ornament, each . . . 3.50
Same without Ornament
(Fig. 7, page 15) each . . . 4.50
"Fig. 25" Line Post with
Anchor and O'nam't, each, 2.25
Same without Anchor, each, 2.00
Plain Line Post, (Fig. 4 A,
page 6) with Anchor and
Loop for Top Rail, each . . 1.40
Same without Anchor, each, 1.20
Plain Farm Post (Figs. 67
and 72) with Anchor, each, 1.20
Same without Anchor (any
slotting desired) each . . . 1.00
Top Rail, per foot16

Above Posts will be
fitted for Stockade Fence—
Panel Wire—or any other
Fence or Wire, *without*
extra charge.

THE "HARTMAN" WIRE PANEL FIELD FENCE.

**MORE
ECONOMICAL
THAN
BARB
WIRE**

**THIS CUT
SHOWS EXACT SIZE
OF WIRES AND
THEIR CONSTRUCTION.**

**VISIBLE,
HUMANE,
HARMLESS,
STRONG.**

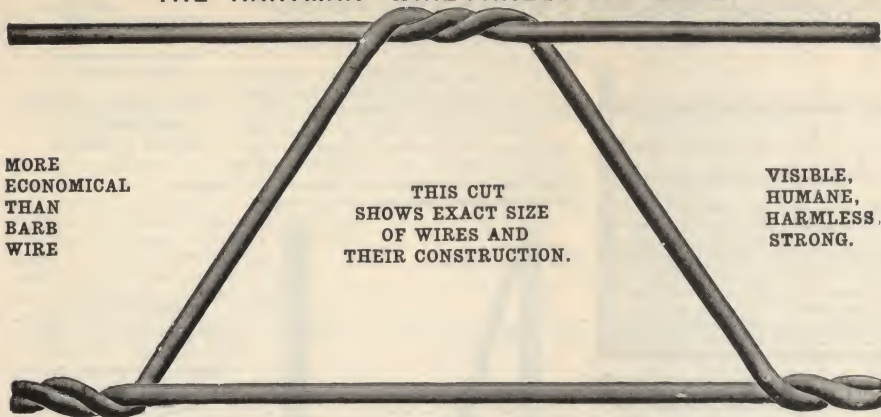


Fig. 35.

THE "HARTMAN" WIRE PANEL FENCE is the most attractive in design, as well as the most economical fence wire made. It is composed of two main strands of No. 12 and a filling or brace wire of No. 13 best Galvanized Steel Wire, forming together a panel two inches wide.

Each strand of the Panel Fence Wire weighs about 1½ pounds to the rod. Taking into consideration the width of the panels, and the vast damage done to stock by Barb Wires, it is cheaper than the latter, four strands being equal to and used instead of five strands of Barb Wire. It is neatly put up in rolls as compact as a belt, weighing from 30 to 40 pounds, or an average of three rolls to the hundred pounds, and is in convenient form for handling, for exhibition and for shipment.

Like our Stockade Fence, it is usually erected for farm and field use, on wooden Posts, with braced Terminal and Corner Posts, but is widely used, erected on our Steel Farm Posts, (Figs. 71-72, page 15).

Estimated Weights, "Hartman" Panel Fence.

	100 Feet	100 Rods
One Strand	Weights, 8 pounds	Weights, 130 pounds
Two "	" 16 "	" 260 "
Three "	" 24 "	" 390 "
Four "	" 32 "	" 520 "
Five "	" 40 "	" 650 "



Fig. 36.

Stretching Clamp for Panel Wire.
Price, 80c. each.

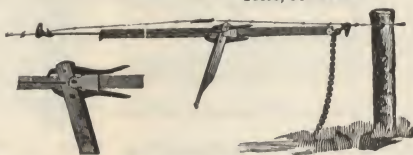
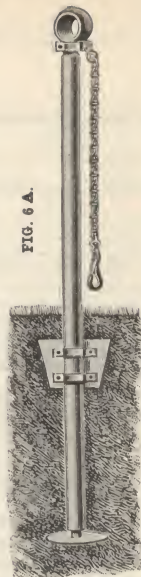


FIG. 70—Lever Stretcher for use in erecting our Steel Picket Fence, Stockade Fence or Panel Wire. Price, \$3.00 each.

FIG. 6 A.



"HARTMAN" IMPROVED
HITCHING POST.

It cannot be broken nor pulled out.

Made of tubular steel, thoroughly painted.

Anchored at the bottom and at the ground level.

These posts furnished with Weldless Steel Chain and Spring Snap Complete.

Price, Hitching Post, complete, \$3.00 each.

DISCOUNT

THE "HARTMAN" WIRE PANEL FIELD FENCE.

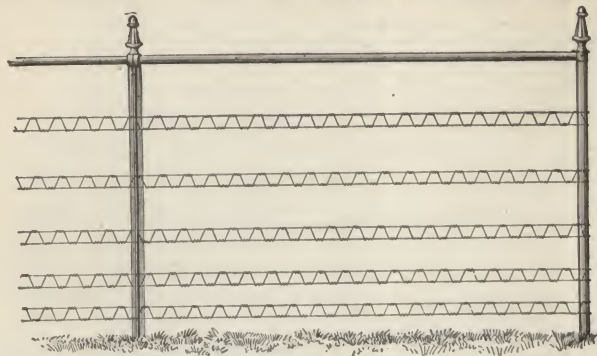


FIG. 73.

Above is shown another neat YARD FENCE, made of our Panel wire on Steel frame.

Any number of strands may be used.

The Panel Wire is capable of being erected on the same varieties of Steel frame-work as the Stockade Fence, as described on page 13.

Our Steel Gates (page 5) are used with these Light Lawn Fences.

In erecting the fences shown in Figs 65 and 73, the instructions for setting the posts, hanging gates, etc., given on page 10 should be followed, and for stretching the Stockade Fence, the instructions there given apply. The Panel Wire is stretched the same as any other strand wire, using the Clamp (Fig. 36) attached to any stretching device. In stretching, at all terminals a post should be set temporarily in ground a few inches, with a brace from its top to the nearest fence post thus providing a perfect leverage.




FIG. 71.



FIG. 72.

PRICE LIST.

Panel Farm Fence, Wire 10c. per lb.
 For Posts, Top Rail, Braces, etc, see price list on page 13.

 This is not an ORDER, but a REQUEST FOR PRICES. Fill out and return this blank, and we will quote Price for Fence specified.

Hartman Mfg. Co., of Ellwood City,

or.....

Gentlemen:—Please quote net prices on "HARTMAN" STEEL PICKET FENCE and GATES, with STEEL POSTS and TUBULAR STEEL RAIL complete, to enclose space as per diagram and specifications herewith submitted:

SPECIFICATIONS. (See pages 8 and 9.)

Catalogue No. of Fence?

Height?

Number of Single Gates?

Width of Single Gates?

Number of Double Gates?

Total Width of Each Double Gate?.....

Scroll Pattern or Plain Style Gate?.....

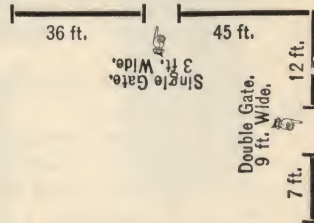
Signed.....

P. O. Address.....

County

State.....

Make diagram of fence after the manner of printed diagram below, showing ENDS and CORNERS. Measure from either END OR CORNER to GATE, give width of gate (single or double) then give distance from such gate to next gate or corner, or end, etc., thus :



Detach this leaf and return it filled out as desired, and it will have our prompt attention.

DIRECTIONS FOR ERECTING, PAGE 10.

THE "HARTMAN" FLEXIBLE WIRE DOOR MAT.

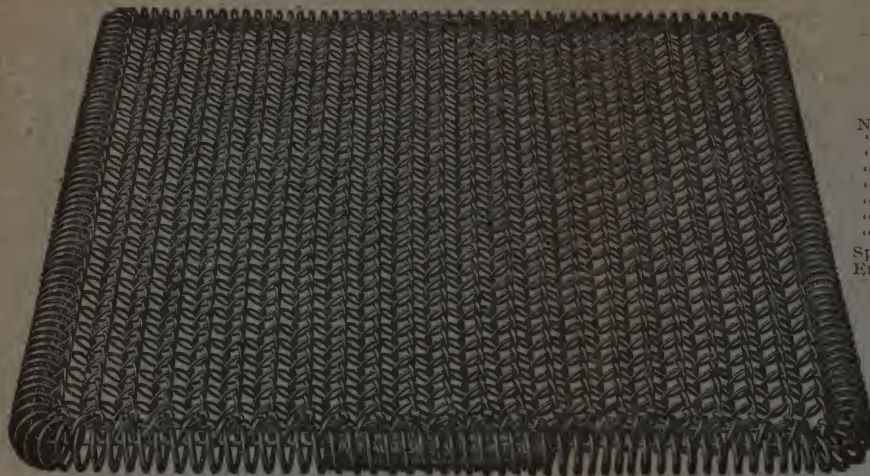


FIG. 37.

This famous Mat is made of the best Galvanized Steel Wire, in a double fabric, and is the only Mat in the world so made. Each side of the Mat is a counterpart of the other, the wires being so woven as to form a ridge that removes mud, snow, ice, etc., from the boot, without injury to the sole. Its flexibility renders it capable of conforming with any uneven surface without warping the Mat. In effectiveness, durability, neatness and cleanliness, this Mat is unrivalled for use in *private dwellings, schools, churches, public buildings, railroad stations*, and all entrances requiring the use of a device for leaving dirt where it belongs—outside. It is likewise an excellent Mat for street cars.

THE "HARTMAN" FLEXIBLE WIRE COUNTER MAT.

Superior in every way to any other Counter Mat, whether of wire, rubber or other substances. Made to order in any length, and in any width from 18 inches to 4 feet. Mats lettered if desired.



FIG. 38.

PRICE LIST.

(Subject to change without notice).

"HARTMAN" FLEXIBLE STEEL WIRE MATS.

No.	Size	Each	\$	cts.
1	16 x 24	Each	1	50
2	18 x 30	"	2	00
3	22 x 36	"	3	00
4	26 x 48	"	4	50
5	30 x 48	"	5	25
6	36 x 48	"	6	50
7	36 x 60	"	8	00
8	36 x 72	"	10	00
9	36 x 72	"	10	00
Special sizes, per square foot.				75
Enameled letters . . . each,				40

For advertising purposes our lettered door mats are the most admirable device ever invented. The sign or letters are woven in the mat. Furnished in any size in lots of 1,000 and upwards. Particulars given on application.

Digitized by ASSOCIATION FOR PRESERVATION TECHNOLOGY, www.apti.org for the
BUILDING TECHNOLOGY HERITAGE LIBRARY

<https://archive.org/details/buildingtechnologyheritagelibrary>

From the collection of Gerron S. Hite, West Texas Collection, Angelo State University, San Angelo, TX